

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052825AL\
 Data File : FC069041.D
 Signal(s) : FID1A.ch
 Acq On : 28 May 2025 21:37
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: May 29 07:42:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.705	2342596	18.992 ug/ml
Spiked Amount 50.000		Recovery =	37.98%
12) S 1-chlorooctadecane (S...	13.137	1714784	19.114 ug/ml
Spiked Amount 50.000		Recovery =	38.23%
Target Compounds			
1) T n-Nonane (C9)	3.439	2114505	19.925 ug/ml
2) T n-Decane (C10)	4.513	2110398	19.927 ug/ml
3) T A~Naphthalene (C11.7)	6.109	2284228	19.754 ug/ml
4) T n-Dodecane (C12)	6.538	2073530	19.725 ug/ml
5) T A~2-methylnaphthalene...	7.168	2231983	19.688 ug/ml
6) T n-Tetradecane (C14)	8.335	1988648	19.401 ug/ml
7) T n-Hexadecane (C16)	9.938	1933064	19.051 ug/ml
8) T n-Octadecane (C18)	11.381	1889567	18.906 ug/ml
10) T n-Eicosane (C20)	12.691	1839410	18.885 ug/ml
11) T n-Heneicosane (C21)	13.304	1811006	18.815 ug/ml
13) T n-Docosane (C22)	13.890	1825282	19.159 ug/ml
14) T n-Tetracosane (C24)	14.994	1881383	19.982 ug/ml
15) T n-Hexacosane (C26)	16.016	1882821	20.280 ug/ml
16) T n-Octacosane (C28)	16.968	1915494	20.607 ug/ml
17) T n-Tricontane (C30)	17.857	1980302	20.467 ug/ml
18) T n-Dotriacontane (C32)	18.689	2009858	20.282 ug/ml
19) T n-Tetratriacontane (C34)	19.475	1883595	19.544 ug/ml
20) T n-Hexatriacontane (C36)	20.216	1834701	19.327 ug/ml
21) T n-Octatriacontane (C38)	20.986	1765530	19.352 ug/ml
22) T n-Tetracontane (C40)	21.961	1732672	19.637 ug/ml

(f)=RT Delta > 1/2 Window

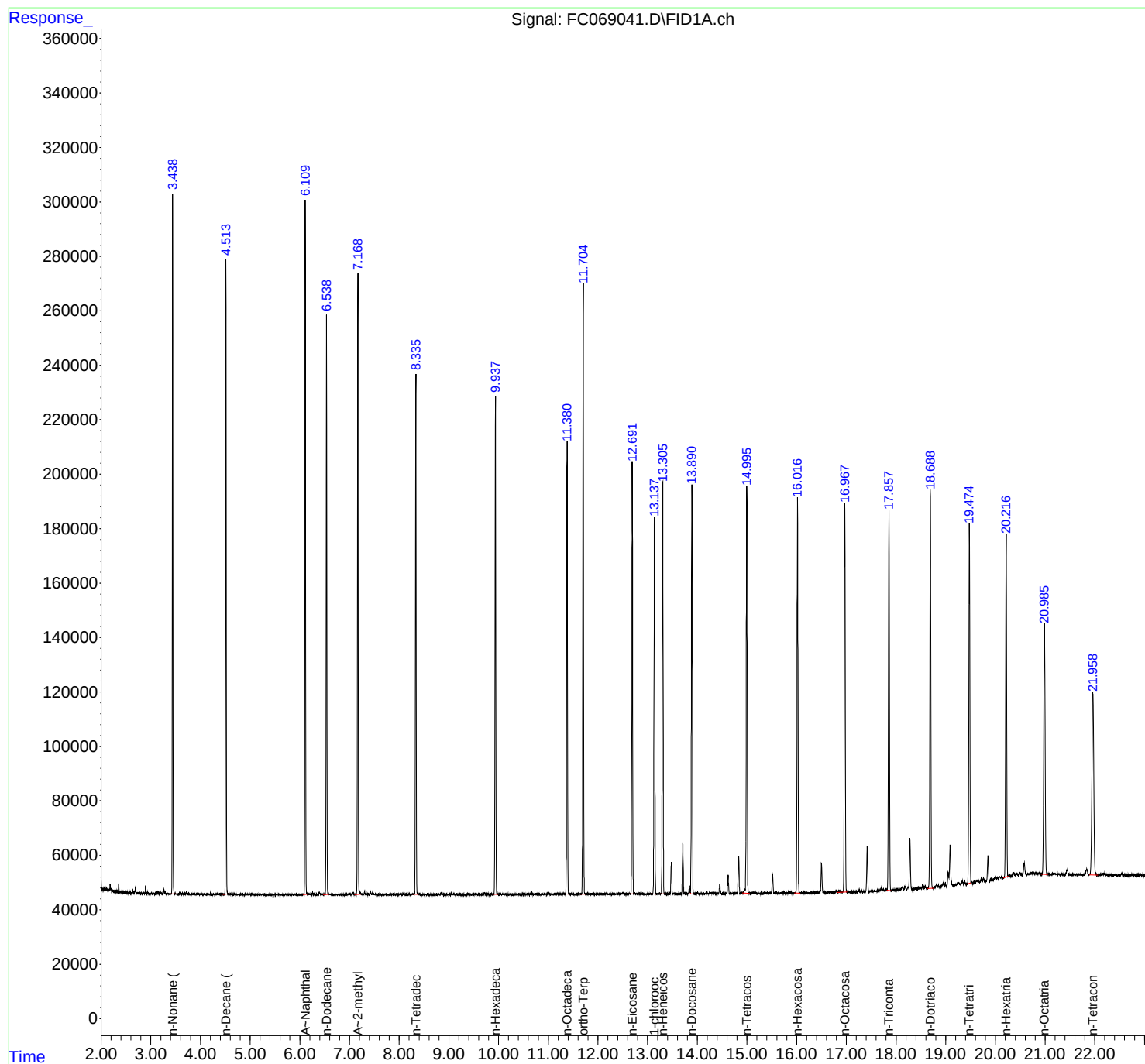
(m)=manual int.

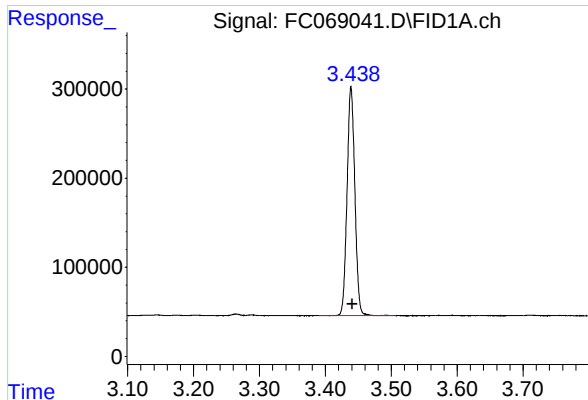
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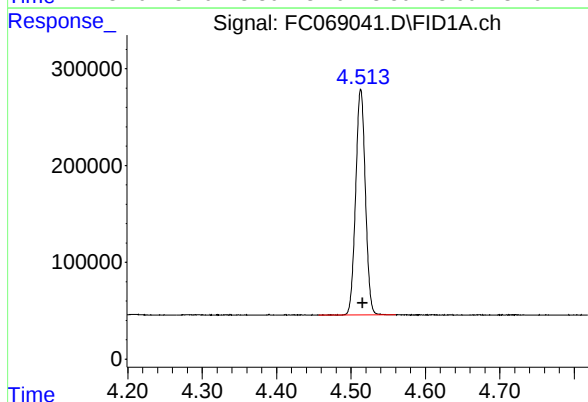




#1 n-Nonane (C9)

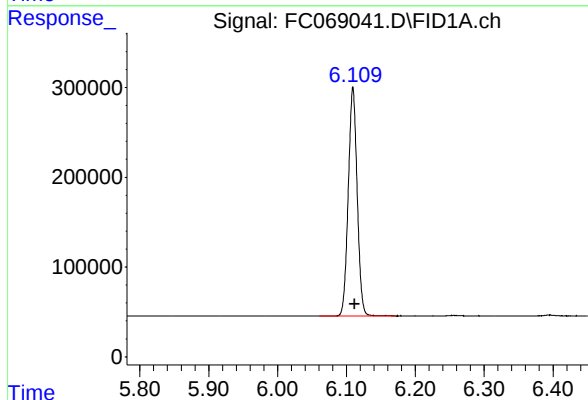
R.T.: 3.439 min
Delta R.T.: -0.002 min
Response: 2114505
Conc: 19.92 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



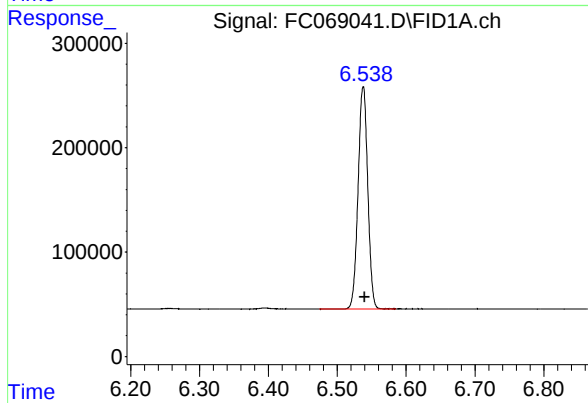
#2 n-Decane (C10)

R.T.: 4.513 min
Delta R.T.: -0.002 min
Response: 2110398
Conc: 19.93 ug/ml



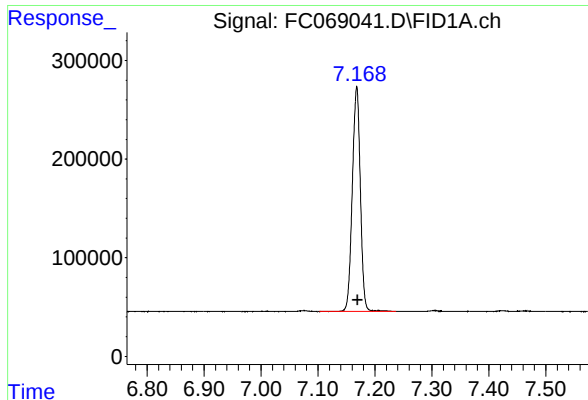
#3 A~Naphthalene (C11.7)

R.T.: 6.109 min
Delta R.T.: -0.002 min
Response: 2284228
Conc: 19.75 ug/ml



#4 n-Dodecane (C12)

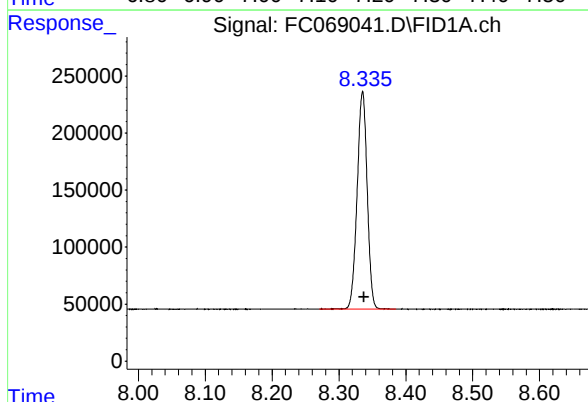
R.T.: 6.538 min
Delta R.T.: -0.002 min
Response: 2073530
Conc: 19.72 ug/ml



#5 A~2-methylnaphthalene (C12.89)

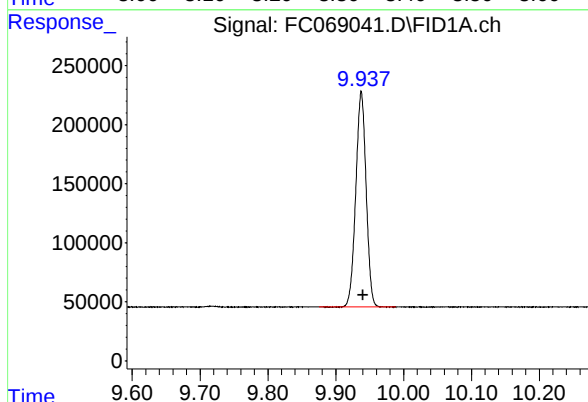
R.T.: 7.168 min
Delta R.T.: -0.002 min
Response: 2231983
Conc: 19.69 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD



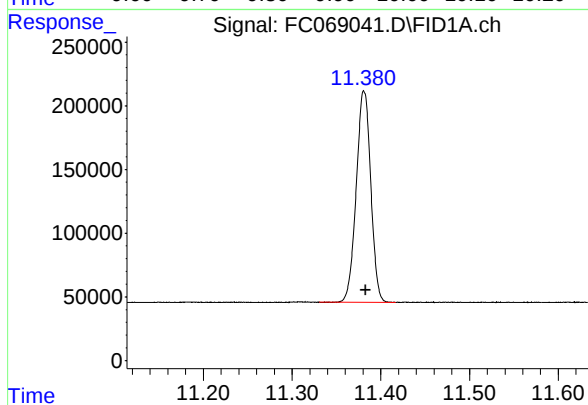
#6 n-Tetradecane (C14)

R.T.: 8.335 min
Delta R.T.: -0.002 min
Response: 1988648
Conc: 19.40 ug/ml



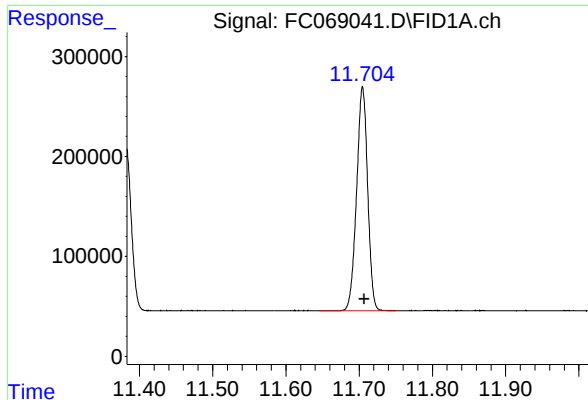
#7 n-Hexadecane (C16)

R.T.: 9.938 min
Delta R.T.: -0.002 min
Response: 1933064
Conc: 19.05 ug/ml



#8 n-Octadecane (C18)

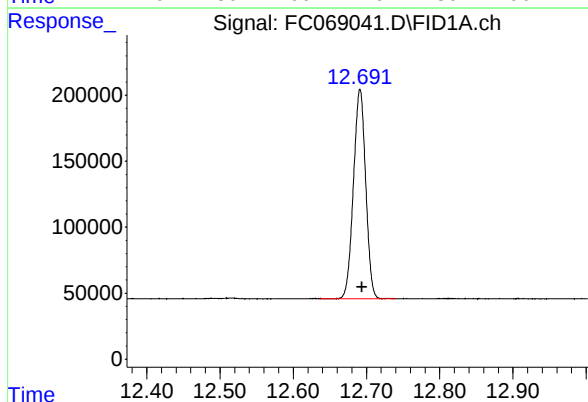
R.T.: 11.381 min
Delta R.T.: -0.002 min
Response: 1889567
Conc: 18.91 ug/ml



#9 ortho-Terphenyl (SURR)

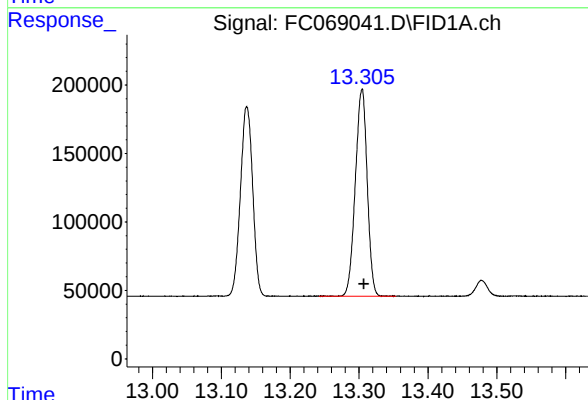
R.T.: 11.705 min
Delta R.T.: -0.002 min
Response: 2342596
Conc: 18.99 ug/ml

Instrument :
FID_C
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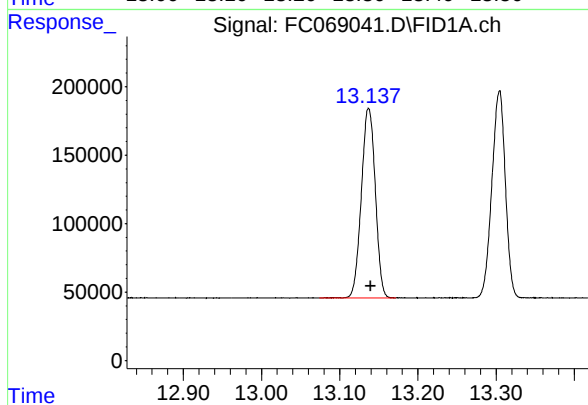
#10 n-Eicosane (C20)

R.T.: 12.691 min
Delta R.T.: -0.003 min
Response: 1839410
Conc: 18.89 ug/ml



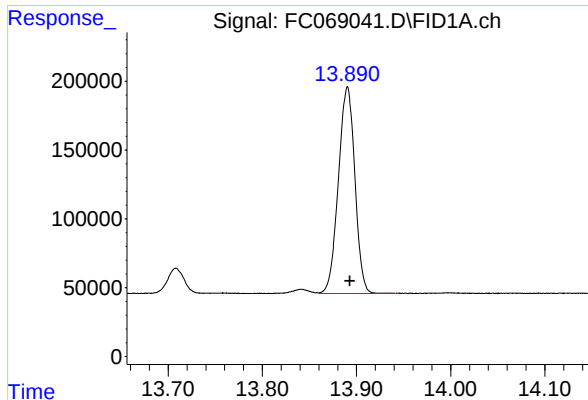
#11 n-Heneicosane (C21)

R.T.: 13.304 min
Delta R.T.: -0.003 min
Response: 1811006
Conc: 18.82 ug/ml



#12 1-chlorooctadecane (SURR)

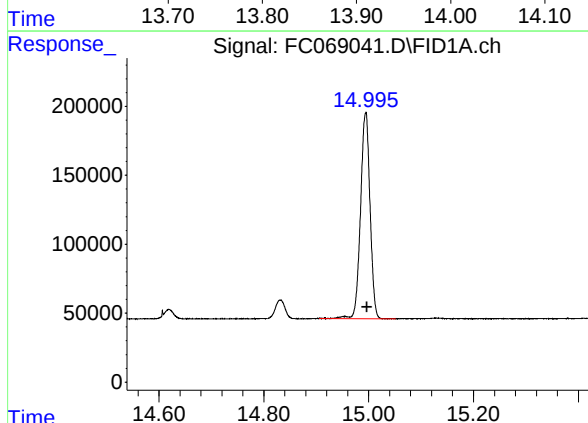
R.T.: 13.137 min
Delta R.T.: -0.002 min
Response: 1714784
Conc: 19.11 ug/ml



#13 n-Docosane (C22)

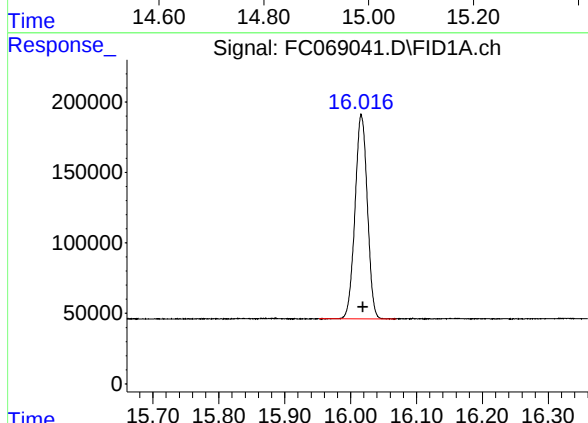
R.T.: 13.890 min
Delta R.T.: -0.003 min
Response: 1825282
Conc: 19.16 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD



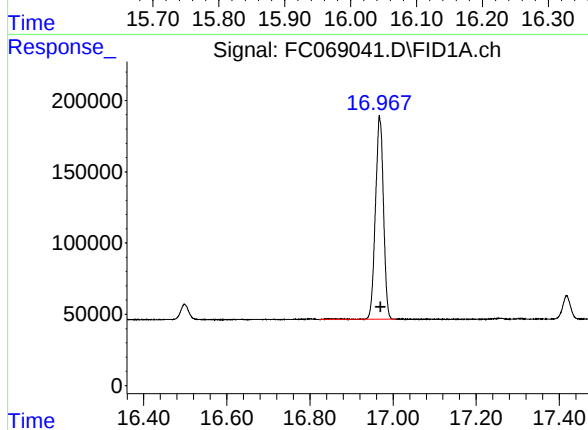
#14 n-Tetracosane (C24)

R.T.: 14.994 min
Delta R.T.: -0.003 min
Response: 1881383
Conc: 19.98 ug/ml



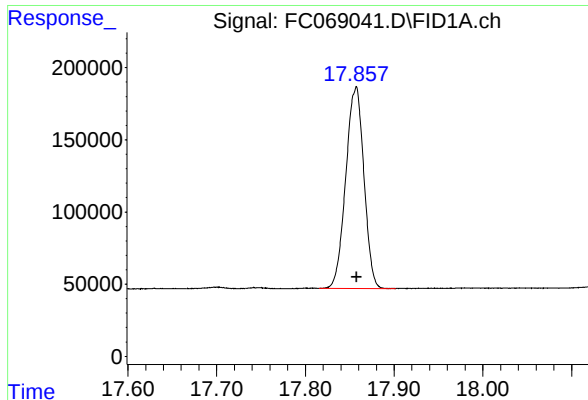
#15 n-Hexacosane (C26)

R.T.: 16.016 min
Delta R.T.: -0.002 min
Response: 1882821
Conc: 20.28 ug/ml



#16 n-Octacosane (C28)

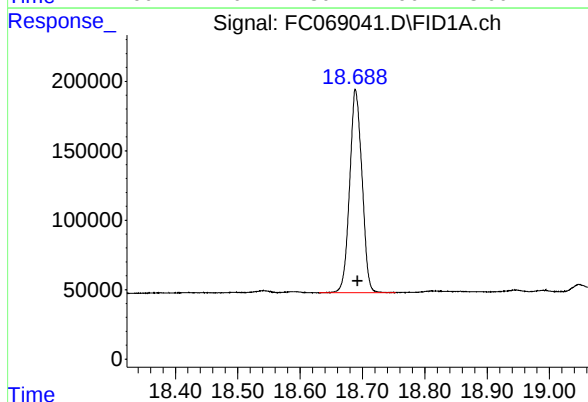
R.T.: 16.968 min
Delta R.T.: -0.002 min
Response: 1915494
Conc: 20.61 ug/ml



#17 n-Tricontane (C30)

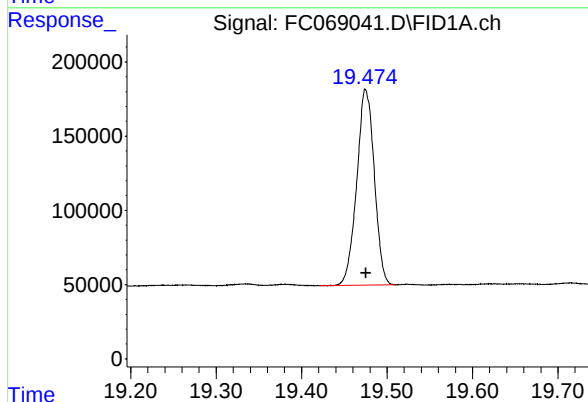
R.T.: 17.857 min
Delta R.T.: -0.001 min
Response: 1980302
Conc: 20.47 ug/ml

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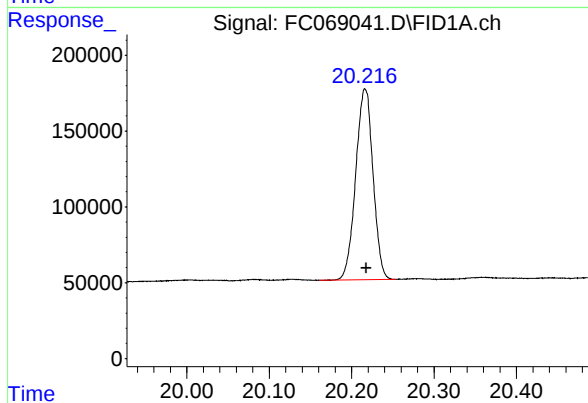
#18 n-Dotriacontane (C32)

R.T.: 18.689 min
Delta R.T.: -0.003 min
Response: 2009858
Conc: 20.28 ug/ml



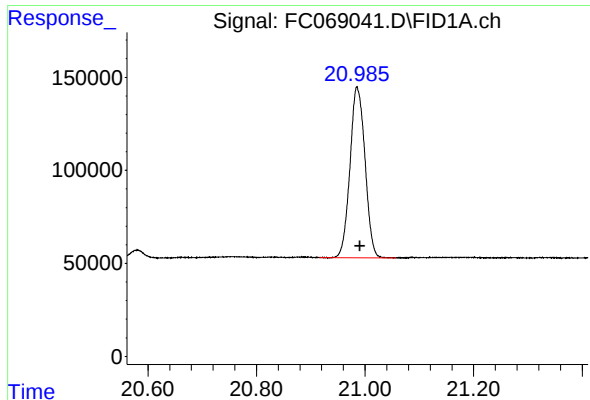
#19 n-Tetatriacontane (C34)

R.T.: 19.475 min
Delta R.T.: 0.000 min
Response: 1883595
Conc: 19.54 ug/ml



#20 n-Hexatriacontane (C36)

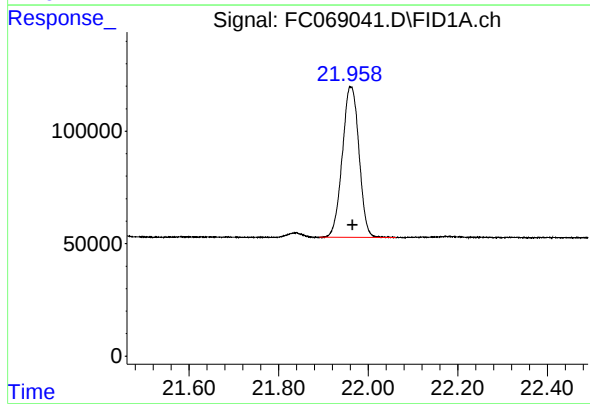
R.T.: 20.216 min
Delta R.T.: -0.002 min
Response: 1834701
Conc: 19.33 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.986 min
Delta R.T.: -0.005 min
Response: 1765530
Conc: 19.35 ug/ml

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FID_C
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#22 n-Tetracontane (C40)

R.T.: 21.961 min
Delta R.T.: -0.004 min
Response: 1732672
Conc: 19.64 ug/ml